UNITED STATES PATENT AND TRADEMARK OFFICE

NOTICE OF ALLOWANCE AND FEE(S) DUE

28875	7590	06/01/2010

Zilka-Kotab, PC
P.O. BOX 721120
SAN JOSE, CA 95172-1120

EXAMINER
MURDOUGH, JOSHUA A

ART UNIT	PAPER NUMBER
3621	

DATE MAILED: 06/01/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/942,047	08/28/2001	Umair A. Khan	NVIDP371/P002178	7341

TITLE OF INVENTION: SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR THE RECORDING AND PLAYBACK OF TRANSACTION MACROS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$755	$300	$0	$1055	09/01/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: <u>Mail</u> Mail Stop ISSUE FEE
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)

_____ (Signature)

_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/942,047	08/28/2001	Umair A. Khan	NVIDP371/P002178	7341

TITLE OF INVENTION: SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR THE RECORDING AND PLAYBACK OF TRANSACTION MACROS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$755	$300	$0	$1055	09/01/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
MURDOUGH, JOSHUA A	3621	705-051000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE　　　　　　　　(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:
❑ Issue Fee
❑ Publication Fee (No small entity discount permitted)
❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
❑ A check is enclosed.
❑ Payment by credit card. Form PTO-2038 is attached.
❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)
❑ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.　❑ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____　Date _____

Typed or printed name _____　Registration No. _____

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/942,047	08/28/2001	Umair A. Khan	NVIDP371/P002178	7341

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1214 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1214 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

Notice of Allowability	Application No. 09/942,047	Applicant(s) KHAN ET AL.
	Examiner JOSHUA MURDOUGH	Art Unit 3621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to _Applicants' Amendments on 6 May 2010_.

2. ☒ The allowed claim(s) is/are _1,4-6,8-14,16,19-29,32,33,35-39,41,42 and 44-46_.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All   b) ☐ Some*   c) ☐ None   of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
      Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 02/09/2010
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

ALLOWANCE

Acknowledgements

1.　　This action is responsive to Applicants' amendments received 6 May 2010.

2.　　This action has been assigned paper number 20100507 for reference purposes only.

3.　　Claims 1, 4-6, 8-14, 16, 19-29, 32, 33, 35-39, 41, 42, and 44-46 are pending.

4.　　Claims 1, 4-6, 8-14, 16, 19-29, 32, 33, 35-39, 41, 42, and 44-46 have been examined.

5.　　Claims 1, 4-6, 8-14, 16, 19-29, 32, 33, 35-39, 41, 42, and 44-46 are allowed herein.

Response to Amendment

6.　　Applicants' proposed amendments on 5 May 2010, 6 May 2010, and 10 May 2010 in response to telephonic discussions with Jamie Rossi (on behalf of Kevin Zilka) on those dates, are entered by means of the Examiner's Amendment below. The Examiner agrees with the substance of the interview summaries included with the amendments.

EXAMINER'S AMENDMENT

7.　　An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

8.　　Authorization for this Examiner's Amendment was given by telephone from Kevin Zilka (Reg. #41,429) 21 May 2010.

9.   A complete listing of the claims, as amended by the Examiner, with markings in accordance with 37 CFR § 1.121, follows:

1. (Currently Amended) A method for carrying out a computer-implemented transaction, comprising:

storing in memory a transaction pattern detailing a transaction associated with a single user; and

executing the transaction pattern to carry out another transaction;

wherein the transaction pattern includes a record of: information submitted by the single user, user actions taken by the single user, system actions taken by a system in response to the information and the user actions in order to generate results, and the results that are sent to the single user;

wherein the storage of the transaction pattern includes storage of records of a navigation of the single user during the transaction;

wherein the transaction pattern further includes information submitted by the single user, in each form and in each step of a login and account access process;

wherein the transaction pattern further includes a record of the actions taken by the system which enable access of the single user to data, and actions enabled by the data to retrieve content;

wherein the execution of the transaction pattern includes recognizing a state of a remote application <u>in its interaction with the single user, the state representing an action to be performed by the remote application.</u>

2. (Cancelled)

3. (Cancelled)

4. (Previously Presented) The method as recited in claim 1, wherein the storage of

the transaction pattern includes the storage of records relating to an interface presented to the

single user.

5. (Previously Presented) The method as recited in claim 1, wherein the storage of

the transaction pattern includes the storage of records relating to the submission of information

by the single user,

6. (Original) The method as recited in claim 1, wherein the storage of the transaction

pattern includes the storage of parameters required to complete the transaction,

7. (Canceled)

8. (Previously Presented) The method as recited in claim 1, wherein the storage of

the transaction pattern includes the storage of information returned to the single user by the

system.

9. (Previously Presented) The method as recited in claim 1, wherein the storage of

the transaction pattern includes the storage of information selected by the single user.

10. (Previously Presented) The method as recited in claim 1, wherein the execution of the

transaction pattern includes retrieval of the transaction pattern by at least one of an automated

agent and a programmable agent.

11. (Previously Presented) The method as recited in claim 1, wherein the execution of the

transaction pattern includes submission of required parameters during the other transaction.

12. (Previously Presented) The method as recited in claim 1, wherein the execution of the

transaction pattern involves automatic navigation during the other transaction.

13. (Previously Presented) The method as recited in claim 1, wherein the execution of the

transaction pattern includes retrieval of the content.

14. (Previously Presented) The method as recited in claim 1, wherein the execution of the

transaction pattern includes relaying the content to the single user.

15. (Cancelled).

16. (Currently Amended) A computer program product, embodied on a <u>non-transitory</u> computer readable medium and capable of execution on a computer, for carrying out a computer-implemented transaction, comprising:

computer code for storing in memory a transaction pattern detailing a transaction associated with a single user; and

computer code for executing the transaction pattern to carry out another transaction;

wherein the transaction pattern includes a record of: information submitted by the single user, user actions taken by the single user, system actions taken by a system in response to the information and the user actions in order to generate results, and the results that are sent to the single user;

wherein the storage of the transaction pattern includes storage of records for a navigation of the single user during the transaction;

wherein the transaction pattern further includes information submitted by the single user, in each form and in each step of a login and account access process;

wherein the transaction pattern further includes a record of the actions taken by the system which enable access of the single user to data, and actions enabled by the data to retrieve content;

wherein the computer code is operable such that the execution of the transaction pattern includes recognizing a state of a remote application <u>in its interaction with the single user, the state representing an action to be performed by the remote application</u>.

17. (Cancelled)

18. (Cancelled)

19. (Previously Presented) The computer program product as recited in claim 16, wherein the storage of the transaction pattern includes the storage of records relating to an interface presented to the single user.

20. (Previously Presented) The computer program product as recited in claim 16, wherein the storage of the transaction pattern includes the storage of records relating to the submission of information by the single user.

21. (Original) The computer program product as recited in claim 16, wherein the storage of the transaction pattern includes the storage of parameters required to complete the transaction.

22. (Previously Presented) The computer program product as recited in claim 16, wherein the storage of the transaction pattern includes the storage of records relating to the navigation of the single user during the transaction.

23. (Previously Presented) The computer program product as recited in claim 16, wherein the

storage of the transaction pattern includes the storage of information returned to the single user by the system.

24. (Previously Presented) The computer program product as recited in claim 16, wherein the storage of the transaction pattern includes {.he storage of information selected by the single user.

25. (Previously Presented) The computer program product as recited in claim 16, wherein the execution of the transaction pattern includes retrieval of the transaction pattern by at least one of an automated agent and a programmable agent.

26. (Previously Presented) The computer program product as recited in claim 16, wherein the execution of the transaction pattern includes submission of required parameters during the other transaction.

27. (Previously Presented) The computer program product as recited in claim 16, wherein the execution of the transaction pattern involves automatic navigation during the other transaction.

28. (Previously Presented) The computer program product as recited in claim 16, wherein the execution of the transaction pattern includes retrieval of the content.

29. (Previously Presented) The computer program product as recited in claim 16, wherein the execution of the transaction pattern includes relaying the content to the single user.

30. (Cancelled)

31. (Cancelled)

32. (Previously Presented) The method as recited in claim 15, wherein the remote application is an electronic commerce application.

33. (Currently Amended) A method for carrying out a computer-implemented transaction, comprising:

recording information submitted by a single user as part of a transaction associated with the single user;

recording user actions taken by the single user as part of the transaction;

recording system actions taken by a system in response to the information and the user actions in order to generate results as part of the transaction;

recording the results that are sent to the single user as part of the transaction;

generating a transaction pattern based on the recorded information;

storing the transaction pattern in memory; and

executing the transaction pattern to automatically carry out another transaction upon receiving a user request for the transaction;

wherein the storage of the transaction pattern includes storage of records of a navigation of the single user during the transaction;

wherein the transaction pattern includes information submitted by the single user, in each form and in each step of a login and account access process;

wherein the transaction pattern further includes a record of actions taken by the system which enable access of the single user to data, and actions enabled by the data to retrieve content;

wherein the execution of the transaction pattern includes recognizing a state of a remote application in its interaction with the single user, the state representing an action to be performed by the remote application.

34. (Cancelled)

35. (Previously Presented) The method as recited in claim 33, wherein the storage of the transaction pattern includes the storage of information returned to the single user by the system.

36. (Previously Presented) The method as recited in claim 33, wherein the storage of the transaction pattern includes the storage of information selected by the single user.

37. (Previously Presented) The method as recited in claim 33, wherein the execution of the transaction pattern includes retrieval of the transaction pattern by at least one of an automated agent and a programmable agent.

38. (Previously Presented) The method as recited in claim 33, wherein the execution of the transaction pattern involves automatic navigation during the other transaction.

39. (Previously Presented) The method as recited in claim 33, wherein the execution of the

transaction pattern includes relaying the content to the single user.

40. (Cancelled)

41. (Currently Amended) A method for carrying out a computer-implemented electronic

commerce (e-commerce) transaction, comprising:

storing in memory a transaction pattern detailing a transaction associated with a single

user, wherein the transaction pattern includes a record of:

creation of and actions associated with forms presented in a web-interface with

which the single user submits information;

information submitted by the single user, in forms presented in an e- commerce

flow;

an internal process whereby the submitted information is sent to servers and

databases of an e-commerce site;

navigation of the single user within the e-commerce process;

system actions taken by a system in response to the information and the creation

and actions in order to generate results; and

the results returned by the e-commerce site once the submitted information has

been processed; and

executing the transaction pattern to carry out another transaction;

wherein the transaction pattern further includes information submitted by the single user,

in each form and in each step of a login and account access process;

wherein the transaction pattern further includes a record of actions taken by the system

which enable access of the single user to data, and actions enabled by the data to retrieve content;

wherein the execution of the transaction pattern includes recognizing a state of a remote

application in its interaction with the single user, the state representing an action to be performed

by the remote application.

42. (Currently Amended) A method for carrying out a computer-implemented transaction,

comprising:

recording information submitted by a single user as part of a transaction associated with

the single user;

recording user actions taken by the single user as part of the transaction;

recording system actions taken by a system in response to the information and the user

actions in order to generate results as part of the transaction;

recording the results that are sent to the single user as part of the transaction;

recording actions taken by the system which enable the single user to access data;

recording actions enabled by the data to retrieve content; generating a transaction pattern

based on the recorded information;

storing the transaction pattern in memory, including:

storing records relating to an interface presented to the single user;

storing records relating to tile submission of information by the single

user;

storing parameters required to complete the transaction;

storing records of a navigation of the single user during the transaction;

storing records relating to the navigation of the single user during the transaction;

storing information returned to the single user by the system;

storing information selected by tile single user;

executing the transaction pattern to automatically carry out another transaction upon

receiving the single user request for the transaction, including:

retrieving the transaction pattern using at least one of an automated agent and a

programmable agent;

recognizing a state of a remote application <u>in its interaction with the single</u>

<u>user, the state representing. an action to be performed by the remote application;</u>

submitting required parameters during the other transaction;

performing automatic navigation during the other transaction;

retrieving the content; and

relaying the content to the single user;

wherein tile transaction pattern further includes information submitted by the single user,

in each form and in each step of a login and account access process;

wherein the transaction pattern further includes the record of actions taken by the system

which enable access of the single user to the data, and the actions enabled by the data to retrieve

the content.

43. (Cancelled)

44. (Previously Presented') The method as recited in claim 1, wherein the transaction pattern further includes an internal process, whereby submitted information is sent to servers and databases of a portfolio account site of the single user.

45. (Previously Presented) The method as recited in claim l, wherein the information submitted by the single user is submitted via an e-commerce form, the information including a name of the single user, credit card information associated with the single user, and a shipping address of the single user.

46. (Currently Amended) The method as recited in claim 1, wherein the state of the remote application is recognized based on content and probability of a web page represented as the state, ~~the state including a state of the remote application's interaction by the single user,~~ and includes a dedicated connector used to create state definitions and to operate on states.

Reasons for Allowance

10.　　The following is the Examiner's statement of reasons for allowance.

11.　　Regarding the claimed terms, the Examiner notes that a "general term must be understood in the context in which the inventor presents it." *In re Glaug* 283 F.3d 1335, 1340, 62 USPQ2d 1151, 1154 (Fed. Cir. 2002). Therefore the Examiner must interpret the claimed terms as found

on pages 1-25 of the specification. Clearly almost all the general terms in the claims may have multiple meanings. So where a claim term "is susceptible to various meanings, . . . the inventor's lexicography must prevail . . . ." *Id.* Using these definitions for the claims, the claimed invention was not reasonably found in the prior art.

12.   The primary reference Ukigawa (U.S. 2001/0021925) discloses as previously discussed. Ukigawa, however does not teach at least executing the transaction pattern to carry out another transaction, recording of the information to the transaction pattern, and wherein the execution of the transaction pattern includes recognizing a state of a remote application in its interaction with the single user, the state representing an action to be performed by the remote application. Moreover, the missing claimed elements from Ukigawa are not found in a reasonable number of references. Yet even if the missing claimed elements were found in a reasonable number of references, a person of ordinary skill in the art at the time the invention was made would *not* have been motivated to include these missing elements in an embodiment in the Ukigawa disclosure because: recognizing a state of a remote application in its interaction with the single user is not part of the transaction pattern and therefore would not merely be recorded and played back to automate the process of Ukigawa, but instead would require modifying the modification of Ukigawa which makes it automated.

13.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

14.   Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

15.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to JOSHUA MURDOUGH whose telephone number is (571)270-

3270. The Examiner can normally be reached on Monday - Thursday, 7:00 a.m. - 5:00 p.m.

16.   If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's

supervisor, Andrew Fischer can be reached on (571) 272-6779. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

17.   If you would like assistance from a USPTO Customer Service Representative or access to

the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-

1000.

Joshua Murdough
Examiner, Art Unit 3621

/ANDREW J. FISCHER/
Supervisory Patent Examiner, Art Unit 3621